



STATE OF
COLORADO

Treitz - DNR, Rebecca <rebecca.treitz@state.co.us>

Swartz 1N-12HZ doc no 400922744

Richardson, Craig <Craig.Richardson@anadarko.com>
To: "Treitz - DNR, Rebecca" <rebecca.treitz@state.co.us>

Tue, Jan 19, 2016 at 8:22 AM

Please call if you have any questions or concerns. Responses below:

From: Treitz - DNR, Rebecca [mailto:rebecca.treitz@state.co.us]
Sent: Friday, January 15, 2016 2:28 PM
To: Richardson, Craig
Subject: Swartz 1N-12HZ doc no 400922744

Craig,

COGCC is in the process of reviewing the Form 2A for Swartz 1N-12HZ (doc no 400922744). In order to complete our review, please address the following:

1. The disturbed area and interim reclamation on the location drawing does not appear to match what is listed on the 2A. Please confirm the acreage that will be at the location.
 - a. Disturbed Construction Area – 15 acres
 - b. Interim Reclamation Area – 3.1 acres

2. Under facilities, there are 2 oil tanks and 4 condensate tanks and the facility layout drawing lists 2 maintenance tanks and 4 water tanks. Please confirm the type of tanks that will be at the location.
 - a. 2 maintenance tanks and 4 water Tanks.

3. The related Swartz location (doc no 400940077), has depth to water at 7 feet and this permit is at 85 feet. Please confirm the depth to groundwater.
 - a. Utilizing the approved depth to water calculation method, 85' is the correct depth (SWL calc: $(4955 - 4880) + 10 = 85$). The water well utilized for this calculation is 1655' WSW of the proposed location and has a static water level of 10'. The nearest water well to this location is 599' to the SE and has a state water level of 250'. 85' is the correct based on the calculation deemed acceptable by the COGCC. If you have concerns, I would be happy to discuss and change the level based on your direction.

4. Based on the hydrology map, there is a floodplain within 1,000 feet, please provide BMPs for protection of the floodplain from the production equipment.
 - a. 604c.(2).G. Berm Construction: Kerr-McGee will create tertiary containment by construction of a berm or diversion dike, site grading, or other comparable measures sufficient to further protect the:

Intermittent Stream: 710' SSW Elev: 4881'

Floodplain approximately 700' to the SW

Please let me know if you have any questions.

Thank you,

Rebecca

—

Rebecca Treitz

Oil and Gas Location Assessment Specialist

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